ELSEVIER

Molecular Cell Research

Vol. 1266, 1995

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors *vii*

Regular Section

Regular Papers

Inhibition of lysosomal acid sphingomyelinase by agents which reverse multidrug resistance
J.-P. Jaffrézou, G. Chen, G.E. Durán, C. Muller, C. Bordier, G. Laurent, B.I. Sikic and T. Levade (USA, France) 1

Reduction in platelet-derived growth factor receptor mRNA in v-*src*-transformed fibroblasts
Q.-X. Zhang, F. Walker, A.W. Burgess and G.S. Baldwin (Australia) 9

Cytosolic biosynthesis of GTP and ATP in normal rat pancreatic islets
M. Meredith, M. Rabaglia and S. Metz (USA) 16

Okadaic acid increased annexin I and induced differentiation of human promyelocytic leukemia cells
E.F. Sato, K. Edashige, M. Inoue and K. Utsumi (Japan) 23

Subsection

Mini-Review

Towards an understanding of the signal transduction pathways for interleukin 1
L.A.J. O'Neill (Ireland) 31

Regular Papers

Cytokinins affect spore formation but not cell division in the yeast *Saccharomyces cerevisiae*
H.M. Laten (USA) 45

Effect of cyclic AMP on urokinase-type plasminogen activator receptor and fibrinolytic factors in a human osteoblast-like cell line
T. Nonaka, H. Matsumoto, W. Shimada, I. Miyagi, K. Okada, H. Fukao, S. Ueshima, H. Kikuchi, S. Tanaka and O. Matsuo (Japan) 50

Expression of fructosyllysine receptors on human monocytes and monocyte-like cell lines
R. Salazar, R. Brandt and S. Krantz (Germany) 57

Constitutive overexpression of c-*fos* protein in rat liver epithelial cells decreases TGF-β synthesis and increases TGF-β_1 receptors
T. Mercier, I. Gaillard-Sanchez, P. Martel and C. Seillan-Heberden (France) 64

Catalytic subunits of the porcine and rat 5′-AMP-activated protein kinase are members of the SNF1 protein kinase family
G. Gao, J. Widmer, D. Stapleton, T. Teh, T. Cox, B.E. Kemp and L.A. Witters (USA, Australia) 73

Modulation of the receptor binding affinity of amphiregulin by modification of its carboxyl terminal tail
R. Adam, D.R. Drummond, N. Solic, S.J. Holt, R.P. Sharma, S.G. Chamberlin and D.E. Davies (UK) 83

Differential regulation of primary response gene expression in skeletal muscle cells through multiple signal transduction pathways
R.W. Lim, C.Y. Zhu and B. Stringer (USA) 91

Evidence for the key role of the adipocyte cGMP-inhibited cAMP phosphodiesterase in the antilipolytic action of insulin
H. Eriksson, M. Ridderstråle, E. Degerman, D. Ekholm, C.J. Smith, V.C. Manganiello, P. Belfrage and H. Tornqvist (Sweden, USA) 101

Rapid Report

Purification and partial amino acid sequencing of a fructosyllysine-specific binding protein from cell membranes of the monocyte-like cell line U937
S. Krantz, R. Salazar, R. Brandt, J. Kellermann and F. Lottspeich (Germany) 109

Short Sequence-Paper

Isolation and expression of an *Arabidopsis* 14-3-3-like protein gene
H. Zhang, J. Wang, I. Hwang and H.M. Goodman (USA) 113

Regular Section

Regular Papers

Biochemical characterization of a bovine oviduct-specific sialo-glycoprotein that sustains sperm viability in vitro
T. Satoh, H. Abe, Y. Sendai, H. Iwata and H. Hoshi (Japan) 117
Identification of the domain within fibroblast growth factor-1 responsible for heparin-dependence
T. Imamura, S.A. Friedman, S. Gamble, Y. Tokita, S.R. Opalenik, J.A. Thompson and T. Maciag (USA, Japan) 124
Ability of some K^+ channel blockers to reverse inhibition of electrically evoked contractions of longitudinal muscle-myenteric plexus
G. Kelly, Y.-D. Sun and C.G. Benishin (Canada) 131
Ca^{2+}/Mg^{2+}-dependent endonuclease activation is an early event in VP-16-induced apoptosis of human breast cancer MCF7 cells in vitro
I.A. Sokolova, K.H. Cowan and E. Schneider (USA) 135
Parathyroid hormone inhibits plasma membrane Pi transport without changing endocytic activity in opossum kidney cells
M.S. Paraiso, J.A. McAteer and S.A. Kempson (USA) 143
Induction by adenovirus-5 E1A of the differentiation phenotype of F9 teratocarcinoma cells involves a conserved region (CR1) of E1A
H.-O. Li, X. Tang, I. Kitabayashi, G. Gachelin, R. Chiu and K. Yokoyama (Japan, France, USA) 148
A study on thapsigargin-induced calcium ion and cation influx pathways in vascular endothelial cells
N. Yamamoto, H. Watanabe, H. Kakizawa, M. Hirano, A. Kobayashi and R. Ohno (Japan) 157
Transglutaminase activity in rabbit articular chondrocytes in culture
S. Demignot, L. Borge and M. Adolphe (France) 163
Control by electrical parameters of short- and long-term cell death resulting from electropermeabilization of Chinese hamster ovary cells
B. Gabriel and J. Teissié (France) 171
Differential effects of polyunsaturated fatty acids on cell growth and differentiation of premonocytic U937 cells
H. Obermeier, N. Hrboticky and A. Sellmayer (Germany) 179
Electrophysiological effects of progesterone on hepatocytes
S. Waldegger, F. Beisse, H. Apfel, S. Breit, H.-A. Kolb, D. Häussinger and F. Lang (FRG) 186

Subsection

Regular Papers

Triggering of calcium signals in antigen-specific B-cells on the supported lipid monolayers
H. Katayama, Y. Nagao, T. Hamano and M. Nakanishi (Japan) 191
Dual effect of spermine on acrosomal exocytosis in capacitated bovine spermatozoa
S. Rubinstein, Y. Lax, Y. Shalev and H. Breitbart (Israel) 196
Effect of retinoic acid on Nm/23 nucleoside diphosphate kinase and components of cyclic adenosine monophosphate-dependent signalling in human neuroblastoma cell lines
G. Pulido-Cejudo, R. Slack, R.L. Hébert and P. Proulx (Canada) 201
Recombinant human α_2-adrenoceptor subtypes: comparison of [^{3}H]rauwolscine, [^{3}H]atipamezole and [^{3}H]RX821002 as radioligands
M. Halme, B. Sjöholm, J.-M. Savola and M. Scheinin (Finland) 207
Inhibitors of protein and RNA synthesis block the cytotoxic effects of non-steroidal antiestrogens
P.L. Hwang, M.Y. Shoon, Y.L. Low, L. Lin and H.L. Ng (Republic of Singapore) 215

Regular Section

Regular Papers

Effect of long-term zidovudine exposure on salvage and de novo purine and pyrimidine nucleotide syntheses
R.P. Agarwal, J. He, M. Bansal and V. Gupta (USA) 223
Cyclohexylamine inhibits the adhesion of lymphocytic cells to human syncytiotrophoblast
G.C. Douglas, J. Hu, T.L. Thirkill, K. Hovanes, M. Fuller and B.F. King (USA) 229
Molecular attributes of bovine aortic endothelial cell heparan sulfate
D.A. Pye and S. Kumar (United Kingdom) 235
Identification and characterization of human mitochondrial methenyltetrahydrofolate synthetase activity
R. Bertrand, M. Beauchemin, A. Dayan, M. Ouimet and J. Jolivet (Canada) 245

Nitrogen monoxide decreases iron uptake from transferrin but does not mobilise iron from prelabelled neoplastic cells
D.R. Richardson, V. Neumannova and P. Ponka (Canada) 250

Okadaic acid induces both augmentation and inhibition of opsonized zymosan-stimulated superoxide production by differentiated HL-60 cells. Possible involvement of dephosphorylation of a cytosolic 21K protein in respiratory burst
K. Suzuki, T. Yamaguchi, T. Oshizawa, Y. Yamamoto, T. Nishimaki-Mogami, T. Hayakawa and A. Takahashi (Japan) 261

Rapid Reports

Effects of potassium channel openers on Na^+ and K^+ currents in rabbit sinus node and atrial myocytes
C. Tromba and I.S. Cohen (USA) 268

A 55 kDa protein of transitional endoplasmic reticulum from rat liver binds retinol
M. Paulik, D.J. Morré and D.M. Morré (USA) 273

Subsection

Mini-Review

Protein tyrosine phosphorylation as a mechanism which regulates cytokine activation of early response genes
A.C. Larner and D.S. Finbloom (USA) 278

Regular Paper

Early gene responses associated with transforming growth factor-β1 growth inhibition and autoinduction in MCF-7 breast adenocarcinoma cells
C. Lafon, P. Mazars, M. Guerrin, N. Barboule, J.-Y. Charcosset and A. Valette (France) 288

Cumulative Contents, Vol. 1266 297

Author Index 300

Titles of related papers in other sections 303